

IN THE CLAIMS:

Please cancel claims 56-64.

Please add the following claims:

PRE AMENDT 1B
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P# 7
11-8-02

65. A combination of cartridge holding at least one capillary tube, which combination comprises

a capillary tube coated on at least a portion of its interior surface with a substrate that is capable of binding to a fluorescently-labeled conjugate and

a frame comprising a means for positioning the capillary tube in an exposure region of the frame, wherein the exposure region permits exposure of at least a portion of the coated capillary tube to an external electromagnetic signal that is capable of causing bound fluorescently-labeled conjugate of fluoresce.

66. A capillary tube comprising a substrate on at least a portion of its interior surface, which substrate is capable of being bound to a fluorescently-labeled conjugate.

67. The capillary tube of Claim 66, wherein the tube is glass and the substrate comprises a silane-based material bound to said portion of the interior surface of the capillary tube.

68. The capillary tube of Claim 67, wherein a protein conjugate is bound to the silane-based material.

69. The capillary tube of Claim 68, wherein the protein conjugate comprises bovine serum albumin or human serum albumin.

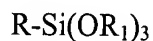
70. The capillary tube of Claim 69, wherein the protein conjugate comprises bovine serum albumin conjugated to biotin.

71. The capillary tube of Claim 70, wherein the protein conjugate comprises neutravidin-4-amino-penicillanic acid bound to the bovine serum albumin-biotin conjugate.

72. The capillary tube of Claim 71, wherein the protein conjugate comprises neutravidin-ceftiofur bound to the bovine serum albumin-biotin conjugate.

73. covered.
73. The capillary tube of Claim 69, wherein the protein conjugate comprises bovine serum albumin conjugated to cephalixin.

74. The capillary tube of Claim 67, wherein the silane-based material is represented by the formula



wherein

R is an alkyl or alkenyl of about 12 to about 20 carbon atoms

and

R₁ is an alkyl of one to four carbon atoms.

75. The capillary tube of Claim 74, wherein R is a straight chain alkyl of 18 carbon atoms and R₁ is ethyl, namely octadecyltriethoxy silane.